Overview

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Digital Technologies for Sustainable Business Growth

The Mitsubishi Electric Group places sustainability at the core of its management and is transforming itself into an "Innovative Company" that creates new values without fear of taking risks. We will leverage component and digital technologies to advance R&D for sustainable business growth. We will also focus on developing Foresight Technology that addresses social challenges and creates new values.

Digital technologies are the key to transformation into an Innovative Company. By leveraging "Serendie," we will improve the efficiency and safety of products and systems based on data, enabling the creation of new business models. We will also develop "Intelligent autonomous control technologies" for integrated operation of complex systems and strengthen "Cybersecurity technologies" that minimize the impact of attacks and enhance defensive capabilities. Additionally, we will focus on "AI and Generative AI technologies" that leverage physical models and simulations to achieve fast, high-accuracy inference and automation. Going forward, we will concentrate on "Neuro-Physical AI," "Secure AI," and "Agent AI" to provide new value in a wide range of business domains. In addition, we will invest in the development of "Foresight Technology"—technology that will have a major impact on society and business—to drive future business growth. In the December and March issues of Mitsubishi Electric ADVANCE, we will present specific initiatives related to these digital technologies.

We will continue to promote innovative R&D, address increasingly diverse and serious social challenges, and contribute to the realization of a sustainable society.